

Appendix table 2-21.
Total R&D and GSP, by state: 1997

Rank in total R&D	State	(Millions of dollars)		Percent R&D/GSP	Rank in R&D/GSP	Percent of U.S. R&D	Cumulative percent of U.S. R&D
		Total R&D	GSP				
TOTAL, U.S.		211,268					
1 California	41,670	1,033,016	4.03	9	19.72	19.7	
2 Michigan	13,991	272,607	5.13	3	6.62	26.3	
3 New York	12,307	651,652	1.89	25	5.83	32.2	
4 New Jersey	12,067	294,055	4.10	8	5.71	37.9	
5 Massachusetts	11,097	221,009	5.02	4	5.25	43.1	
6 Texas	9,487	601,643	1.58	28	4.49	47.6	
7 Pennsylvania	8,209	339,940	2.41	15	3.89	51.5	
8 Illinois	8,034	393,532	2.04	21	3.80	55.3	
9 Washington	7,543	172,253	4.38	6	3.57	58.9	
10 Maryland	7,395	153,797	4.81	5	3.50	62.4	
11 Ohio	7,145	320,506	2.23	17	3.38	65.8	
12 Florida	4,784	380,607	1.26	31	2.26	68.0	
13 North Carolina	4,667	218,888	2.13	18	2.21	70.2	
14 Virginia	4,136	211,331	1.96	23	1.96	72.2	
15 Minnesota	3,605	149,394	2.41	16	1.71	73.9	
16 Connecticut	3,454	134,565	2.57	12	1.63	75.5	
17 Colorado	3,205	126,084	2.54	13	1.52	77.1	
18 Indiana	3,149	161,701	1.95	24	1.49	78.5	
19 New Mexico	3,028	45,242	6.69	1	1.43	80.0	
20 District of Columbia	2,768	52,372	5.29	2	1.31	81.3	
21 Arizona	2,410	121,239	1.99	22	1.14	82.4	
22 Georgia	2,272	229,473	0.99	38	1.08	83.5	
23 Wisconsin	2,256	147,325	1.53	30	1.07	84.6	
24 Missouri	1,826	152,100	1.20	33	0.86	85.4	
25 Alabama	1,637	103,109	1.59	27	0.77	86.2	
26 Tennessee	1,566	146,999	1.07	36	0.74	87.0	
27 Oregon	1,520	98,367	1.54	29	0.72	87.7	
28 Utah	1,381	55,417	2.49	14	0.65	88.3	
29 Kansas	1,351	71,737	1.88	26	0.64	89.0	
30 Idaho	1,270	29,149	4.36	7	0.60	89.6	
31 Delaware	1,089	31,585	3.45	11	0.52	90.1	
32 Rhode Island	1,040	27,806	3.74	10	0.49	90.6	
33 South Carolina	1,040	93,259	1.11	35	0.49	91.1	
34 Iowa	980	80,479	1.22	32	0.46	91.5	
35 New Hampshire	799	38,106	2.10	19	0.38	91.9	
36 Oklahoma	644	76,642	0.84	40	0.30	92.2	
37 Louisiana	554	124,350	0.45	50	0.26	92.5	
38 Kentucky	526	100,076	0.53	46	0.25	92.7	
39 Nevada	517	57,407	0.90	39	0.24	93.0	
40 West Virginia	427	38,228	1.12	34	0.20	93.2	

Page 1 of 2

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Total R&D and GSP, by state: 1997

Rank in total R&D	State	(Millions of dollars)		Percent R&D/GSP	Rank in R&D/GSP	Percent of U.S. R&D	Cumulative percent of U.S. R&D
		Total R&D	GSP				
41	Mississippi	370	58,314	0.63	43	0.17	93.3
42	Vermont	314	15,214	2.06	20	0.15	93.5
43	Nebraska	275	48,812	0.56	44	0.13	93.6
44	Hawaii	275	38,024	0.72	42	0.13	93.8
45	Arkansas	272	58,479	0.46	49	0.13	93.9
46	Montana	199	19,160	1.04	37	0.09	94.0
47	Maine	149	30,156	0.49	48	0.07	94.0
48	Alaska	136	24,494	0.55	45	0.06	94.1
49	North Dakota	116	15,786	0.73	41	0.05	94.2
50	Wyoming	87	17,561	0.50	47	0.04	94.2
51	South Dakota	71	20,186	0.35	51	0.03	94.2
	Other/unknown ^a	12,161				5.76	100.0

GSP = gross state product

^aThe “other/unknown” category includes R&D performed within the 50 states, or the District of Columbia, but where the specific location of such performance was not provided by survey respondents. It also includes R&D conducted by organizations within the United States, but where actual performance does not take place in a particular state or the District of Columbia, e.g., research conducted on marine vessels, and research in Puerto Rico. Finally, it also includes a small accounting difference due to the total for the U.S. being based on calendar year data, while data by state pertain to the fiscal year for non-industrial performance.

SOURCES: National Science Foundation, Division of Science Resources Studies (NSF/SRS). Data were derived from NSF/SRS, *Research and Development in Industry: 1995–96*; NSF/SRS, *Academic Research and Development Expenditures, Fiscal Year 1996*; and NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 1996, 1997, and 1998*; and Department of Commerce, Bureau of Economic Analysis.

See page 2-64 in Volume I.

Page 2 of 2

Science & Engineering Indicators – 2000